

IN THE ABSTRACT:

ABSTRACT OF THE DISCLOSURE

~~There are provided a~~ A magnetoresistive sensor of the type of flowing a signal sensing current perpendicular to the plane ~~to improve resolution at reproducing a signal,~~ a magnetic head using the magnetoresistive sensor, and a magnetic disk apparatus. _____

_____ ~~A magnetoresistive sensor~~ comprising a substrate, a pair of magnetic shield layers consisting of a lower magnetic shield layer and an upper magnetic shield layer, a magnetoresistive sensor layer, disposed between the pair of magnetic shield layers, an electrode terminal for flowing a signal current perpendicular to the plane of the magnetoresistive sensor layer, and magnetic domain control layers for controlling Barkhausen noise of the magnetoresistive sensor layer, ~~wherein~~ the magnetic domain control layers being disposed in contact with opposite ends of the magnetoresistive sensor layer consist of a material having high electric resistivity and with a specific resistance not less than 10 mΩcm ~~so as to give the magnetoresistive sensor having excellent reproducing resolution. The sensor is used to provide a magnetic head having excellent reproducing resolution and a magnetic disk apparatus.~~